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## Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.12.2024

Version number 20 (replaces version 19)

Revision: 13.10.2024

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### · 1.1 Product identifier

· Trade name **Emcoril Protect H**

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· Application of the substance / the mixture

Construction chemicals

#### · 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

MC-Bauchemie Müller GmbH & Co. KG  
Am Kruppwald 1-8  
D-46238 Bottrop  
Tel.: +49(0)2041-101-0  
Fax.: +49(0)2041-101-400  
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG  
Hagackerstr. 10  
CH-8953 Dietikon  
Tel.: +44-7400510  
Fax : +44-7400533

· Informing department:

msds@mc-bauchemie.de

· 1.4 Emergency telephone number:

Tel.: +49 / (0)700 24112112 (MCR)

Tel.: +1 872 5888271 (MCR)

### SECTION 2: Hazards identification

#### · 2.1 Classification of the substance or mixture

· Classification according to

Regulation (EC) No 1272/2008 The product is not classified, according to the CLP regulation.

#### · 2.2 Label elements

· Labelling according to

Regulation (EC) No 1272/2008 Void

· Hazard pictograms

Void

· Signal word

Void

· Hazard statements

Void

· Additional information:

EUH208 Contains 2-octyl-2H-isothiazol-3-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Contains biocidal products: 1,2-benzisothiazol-3(2H)-one, 2-octyl-2H-isothiazol-3-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.2 Mixtures**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 2634-33-5 EINECS: 236-671-3	1,2-benzisothiazol-3(2H)-one Acute Tox. 2, H330; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	<0.025%
CAS: 26530-20-1 EINECS: 247-761-7	2-octyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 ATE: LD50 oral: 125 mg/kg LD50 dermal: 311 mg/kg LC50/4 h inhalative: 0.27 mg/l Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.00025-<0.0015%
CAS: 55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.00025-<0.0015%

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Void
- **After skin contact** The product is not skin irritating.

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· **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· **After swallowing**

Rinse out mouth and then drink plenty of water. Seek medical treatment.

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**SECTION 5: Firefighting measures**

· **5.1 Extinguishing media**

· **Suitable extinguishing agents** Void

· **5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

· **5.3 Advice for firefighters**

· **Protective equipment:**

No special measures required.

**SECTION 6: Accidental release measures**

· **6.1 Personal precautions, protective equipment and emergency procedures**

Not required.

· **6.2 Environmental precautions:**

Dilute with much water.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **6.4 Reference to other sections**

No dangerous materials are released.

**SECTION 7: Handling and storage**

· **7.1 Precautions for safe handling**

No special measures required.

· **Information about protection against explosions and fires:**

No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and containers:**

No special requirements.

· **Information about storage in one common storage facility:**

Not required.

· **Further information about storage conditions:**

None.

· **Storage class**

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### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:** *The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **8.2 Exposure controls**
- **Appropriate engineering controls** *No further data; see section 7.*
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures** *The usual precautionary measures should be adhered to in handling the chemicals.*
- **Breathing equipment:** *Not required.*
- **Hand protection** *Protective gloves.*
- **Material of gloves** *Nitrile rubber, NBR  
Natural rubber, NR*
- **Penetration time of glove material** *Breakthrough time: > = 480 min*
- **Eye/face protection** *Not required.*
- **Body protection:** *Light weight protective clothing*

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Colour:** *White*
- **Smell:** *Odourless*
- **Melting point/freezing point:** *0 °C*
- **Boiling point or initial boiling point and boiling range** *100 °C (CAS: 7732-18-5 water, distilled, conductivity or of similar purity)*
- **Flash point:** *Not applicable*
- **pH at 20 °C** *9*
- **Viscosity:**
- **Kinematic viscosity at 20 °C** *13 s (DIN 53211/4)*
- **dynamic:** *Not determined.*
- **Solubility**
- **Water:** *Fully miscible*
- **Steam pressure at 20 °C:** *23 hPa (CAS: 7732-18-5 water, distilled, conductivity or of similar purity)*
- **Density and/or relative density**
- **Density at 20 °C** *1.03 g/cm<sup>3</sup>*

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### · 9.2 Other information

· **Appearance:**

· **Form:**

*Fluid*

· **Important information on protection of health and environment, and on safety.**

· **Self-inflammability:**

*Product is not selfigniting.*

· **Explosive properties:**

*Product is not explosive.*

### · Information with regard to physical hazard classes

· **Explosives**

*Void*

· **Flammable gases**

*Void*

· **Aerosols**

*Void*

· **Oxidising gases**

*Void*

· **Gases under pressure**

*Void*

· **Flammable liquids**

*Void*

· **Flammable solids**

*Void*

· **Self-reactive substances and mixtures**

*Void*

· **Pyrophoric liquids**

*Void*

· **Pyrophoric solids**

*Void*

· **Self-heating substances and mixtures**

*Void*

· **Substances and mixtures, which emit flammable gases in contact with water**

*Void*

· **Oxidising liquids**

*Void*

· **Oxidising solids**

*Void*

· **Organic peroxides**

*Void*

· **Corrosive to metals**

*Void*

· **Desensitised explosives**

*Void*

## SECTION 10: Stability and reactivity

· **10.1 Reactivity**

*No further relevant information available.*

· **10.2 Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

*No decomposition if used according to specifications.*

· **10.3 Possibility of hazardous reactions**

*No dangerous reactions known*

· **10.4 Conditions to avoid**

*No further relevant information available.*

· **10.5 Incompatible materials:**

*No further relevant information available.*

· **10.6 Hazardous decomposition products:**

*No dangerous decomposition products known*

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**SECTION 11: Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

**CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one**

Oral	LD50	1020 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

**CAS: 26530-20-1 2-octyl-2H-isothiazol-3-one**

Oral	LD50	125 mg/kg (ATE) 500 mg/kg (rat)
Dermal	LD50	311 mg/kg (ATE) >2000 mg/kg (rat)
Inhalative	LC50/4 h	0.27 mg/l (ATE) 0.6 mg/l (rat)

**CAS: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)**

Oral	LD50	49.6-75 mg/kg (rat)
Dermal	LD50	87.12 mg/kg (rabbit)
Inhalative	LC50/4 h	0.171 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

CAS: 10222-01-2 2,2-dibromo-2-cyanoacetamide

List I

**SECTION 12: Ecological information**

· **12.1 Toxicity**

· **Aquatic toxicity:**

**CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one**

EC50/72h 0.067 mg/l (Pseudokirchneriella subcapitata)

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LC50/96h	0.11 mg/l ( <i>Selenastrum capricornutum</i> )
EC50/48h	1.6 mg/l ( <i>Oncorhynchus mykiss</i> )
EC50/48h	1.1 mg/l ( <i>Daphnia magna</i> )
<b>CAS: 26530-20-1 2-octyl-2H-isothiazol-3-one</b>	
EC50/48h	0.42 mg/l ( <i>Daphnien</i> )
<b>CAS: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)</b>	
LC50/24h	0.19 mg/l (fish)
EC50/72h	0.027 mg/l ( <i>Pseudokirchneriella subcapitata</i> )
LC50/96h	0.19 mg/l ( <i>Oncorhynchus mykiss</i> )
LC50/48h	0.28 mg/l (fish)
EC50/48h	0.16 mg/l ( <i>Daphnia magna</i> )
NOEC	0.02 mg/l ( <i>Oncorhynchus mykiss</i> )
	0.00049 mg/l ( <i>Ske</i> )
	0.1 mg/l ( <i>Daphnia magna</i> )

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· <b>European waste catalogue</b>	
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02 00	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 99	wastes not otherwise specified

- **Uncleaned packagings:**
- **Recommendation:** Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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· **Recommended cleaning agent:**

Water, if necessary with cleaning agent.

#### SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, ADN, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

· **14.4 Packing group**

· **ADR, IMDG, IATA**

Void

· **14.5 Environmental hazards:**

· **Marine pollutant:**

No

· **14.6 Special precautions for user**

Not applicable.

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

Not dangerous according to the above specifications.

· **UN "Model Regulation":**

Void

#### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

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· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
EUH071 Corrosive to the respiratory tract.

· **Department issuing data specification sheet:**

Environment protection department.

· **Date of previous version:**

19.10.2021

· **Version number of previous version:**

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· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
ATE: Acute toxicity estimate values  
Acute Tox. 3: Acute toxicity – Category 3  
Acute Tox. 4: Acute toxicity – Category 4

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*Acute Tox. 2: Acute toxicity – Category 2*

*Skin Corr. 1: Skin corrosion/irritation – Category 1*

*Skin Corr. 1C: Skin corrosion/irritation – Category 1C*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Skin Sens. 1: Skin sensitisation – Category 1*

*Skin Sens. 1A: Skin sensitisation – Category 1A*

*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*

*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*

**\* Data compared to the  
previous version altered.**

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